

Here Is the Navy's latest Observation Scout, the sturdy OS2U-I. Now in quantity production at Yought-Sikorsky Aircraft, each of these new additions to the Flying Fleet will be powered by a Wasp Junior... bearing the famous Pratt & Whitney emblem, symbol of dependable power.

PRATT & WHITNEY AIRCRAF

United Aircraft Corporation • East Hartford, Connecticut



Perhaps there is no niche in the Hall of Fame for a gasoline, and no laurel wreath to fit an oil. But with every new triumph of aviation, Shell engineers and scientists find a deep, satisfaction in knowing

that their efforts have helped somewhat to bring new glories to a great





DOWN IN PRICE!

MORE and more simpless for less. Me and has meaning The Six the Piper policy for paragram. Compare the Piper fail of looking at 1990 with the Toylor Gol of three numbers are at 1912's Better lines, more consider, absumed softly. Fairr Baids, and appeting performance at a life nation on paged A two-place place that will affair you peels without of thesis affair you peels without of thesis affair you peels without of thesis and affair you peels without of thesis and and the property of the peed of the peep affair you peels without of thesis and the peed to the peed of the peed of the peed of the peed affair you peels without of thesis and the peed of the peed of the peed of the peed of the peed to the peed of the



year persol Up in robat Deven in peter What a bey?

ONLY *3646 nown:
If you wish to key a Paper Celt *47.

If you wish to key a Paper Celt *47.

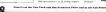
If you wish to they a Paper Celt wish to hadrone in easy monthly proposed.

. Other Paper Celt models include to the peter Celt models include to be peter Celt models include to the peter Celt from 18468, 60 lay Coape at 1896.

All peters R.A. E. Look Haven, Paper And Analyst to engouse without notice.



REE ATALOG step for Cut mades, of the low fining comes, are of your Cut, deader overant Corporation, Naturals,



COUNT THE CUBS THE VORID'S PASTEST

pushess moved, give the a very department extended fitting Condy, Shalm and Condy according Comprise, to be a purple for the condy of Shall A condition of the condition of the

CHICAGO AVIATION CORPORATION Extends a





ween varmes carriers, bendreh of free make a point of response or the Carific Aleport to Glerriew, Illeron, because of its foredom from heavy traffic and an promutary to the residential

Tria U. S. Gayrenman: Appeared Report Survey is necessarily to conduct and receiver service that is complete us every dead, including sudio check-tex-Herr you may have your ship stored, washed entrhesion, suced up, made ready. Many your more book your skin makealshed with Trency Assessed Greature and New Yerson Air-

anabative Terrare Avianion Products, will be adred to demonstrate what serious our be made for you For the engineering service or prompt delivery. so: The Years Commun. Asiation Biolitics, 195

Super States belts you're here in the Senso the States—a full





NEW TEXACO AIRPLANE OIL





ASSESSED PRODUCTO DISC TYPE 15 SO. IS AUDPLANT BRANC

hex cele at converse capture. A recoil the need for presier broking power brings up importest considerations in size and

vest margering of aluminum. Because of the deficits and emily washe of wheel sweenhit, and in allow wheels. Gandrour hydrodic becaring facilities for leading pear disc brakes and Goodyear tires, wheel equipment is now being

Including Airwheels*. In convenient wheel assemblies In the Goodway assembly, healwhere broken record is in direct. Our namer depends once the name acca, the acts way to become, Brake especity is discs to provide larger dependable performance. besking area. There is on

les la sa complex a dress, with a correapperendite increase in dispeter of either heale or wheel, hence the min that requires larger -COCCUTED WHEN THE THE THE ARE WELL

Brake expectly can new he incressed to speed requirement with relatively both greeth in wheel and the descripted abuntan Godecat specified on many of the largest show to conduction teder. East, neers also find that using wheels,

apend unit insures smeether, meet

Our curiscers will be glad to partileg the adventages of this time groved wheel equipment In your new ables, to both our ventional and tricycle gove, Just Department Akree, Ohio, or Les Appeles, California.

OR WHEN BOY COLD OPCOMES CONTRACTOR AMPLIANT TIRES AND BRAKES



Consolidated AIRCRAFT CORP.



RIGHTS in the 0.5.4. and presentions to manufacture

and sall the FAMOUS CONSOLIDATED SERIES



"MAREL 31 CEPIES" Peneral with 728 to 458 hn

FLEET AND MODEL 21 SERVES MY-PT and 015 MODELS and narts



OF A NEW FASTENING METHOD THAT

CUTS ASSEMBLY COSTS AN AVERAGE

Note the many surfaces where driver contacts recess. Mare driving . NO ISSUE TO SUNOVE Observe the flat surfaces. No curves except at the rim. That --

The seven keeps the deliver from slipping. This mean accidents and relineating costs. Faster driving it perfectly safe.

Try Phillips Screen in your plant, See how they eling to drawn . . . down straight extensionly . . . drive home with much less effort payvide much strengtr exembly,





TO USE PHILLIPS SCREWS

Speed-with everything

The Howard has always had speed, greater useful load, and ascellant flying characteristics, but this new Howard for 1929 also offers superior vision, marinessam for the IC and improved backer abilities because of wider freed goer and better short absorption

This now Howard is not only the utmost in Percless, but is built for grading eross-country cornmercial operation in America or in the "out-back" country on wheels, pontoons or skis. Ask for NEW

catalog-it is free

LOUNGE CHAIR CONFORT The root seat has been widered and Vendiction in force from Soundproof lay multipa outside notice. Cebin fit. times are convenient. Interner med. stakes a new modern side.

Visua on the ground has been greatly improved for BOTH Pilot and Posses-

JUNE 1939 Contents for Vol. 98 No. 6

Pleabee	
Side Slipe By Sales & Odors	
Wings on the Wind Sy Number A	
Pilets by the Threspends By Cline	L. Parks.
America's Asserted By Theolog F.	Brook
A. C. for Alexandr by P. C. Sandra From Search by Laws American	
Stacks and Rings by George & Tel free 1—Contractor Air Statust	
Soutching the Mail	
	·
A Special for the Report of Europe Alexandr Redio	
Buyeni Leg Book	ings
The Artestee Name	
Westerpes Windowsk	
Arteiles Abrest	
Transport Artestine Coursel Tower	

5 Peal Inhance lette E. Svelle Dead Stone

Leve Z. Stell



Edinary and Execution Offices, NO Stand Stand Stand Stand Tale, S. T.,

Edinary, SE Service Adm., And Francis, SM Standard. S. A. Apple, 1005 Standard.

Analysis Standard Standard Landard, N. S. S.

Works, Standard Standard Landard Landard, St. S.

Works, St. Marrier, S. Marrier, S. Marrier, S. M. Links, St. Standard, St. MARKET D. SOCIAL ST. SOCIAL STREET, SALES STREET, N. S. PURSON S. C. In-Olive 2 M. Parlicolar de







Trans-Canada adds to its Lockheed Fleet

On April 1, 1939, Trans-Causala Air Lines added a dealer name of the state of the state

Trans-Canada was equally throughpring in its choice takes prode in the part placed by Lockhood transports DOSERY.

LOCKHEED AIRCRAFT CORPORATION



accompanies around and reason testin become Vagoure Look to Lockheed for Leadership and Managed ... (653 mates now revered in 16 ferms boson. AVIATION



W THE PIRST SSLOOLOO has been outstading performance as well be during for our defence machines which Mexico Gudeli who wrest

ends, and is therefore none then

IN THE OURSTION OF CAPAC.

faced most 1580 to perfect not exist



FÓRÉIGN MARKETS

They are kept constantly informed as to the newest and most important developments and requirements in oeranautics.

The INTERCONTINENT CORPORATION

The leading experters of aircraft and geropautical products in the world. Representing the finest products of the leading American manufacturers.

30 ROCKEFELLER PLAZA, NEW YORK CITY

II.S.A.

Coble Address: INTERACEO



rest appropriations. It is medificial

to SLOTTED WINGS as ambed to happened to be in this country purpwould when I was in California and ented independently by Nr F Hand









High landing speeds demand good planning as well as good piloting

Insuce shocks pay one bigh when for nimbers had . . . a

BINDIX PRODUCTS DIVISION of Sunday Amagoo Corporation, South Bend, Indiana Bendix

LANDING-GEAR EQUIPMENT

ACEPSANG WHEREA BRAKES, PREUDRAUGIC SHOCK STRUTE THE KNUCKES ASSENDEDES





as Ton Wester, of Contro-Wright

and enjoying a top with a crowd

reservoir him to be with a bunch of

ringy and gold monthly, which oc-

30 Date Daren comparing with with error care of the Saughanna Leen-

B PACK RESILL and Samer In-

Denores-Turney fight in 2016-

banding out only talk to all of the

Random Notes on the N. A. C. A. Contenues

AVIATION for June, 1939







in Europe in disclosed in this report on design and inchingue in Germany and Roly.

By Manurice A. Garbell

On the Adja and Series the English Children—Strates reverse all over 600 wells, whitester reverse is of over 600 wells, whitester reverse is of over 600 wells, whitester reverse is 50000 Hz, over 1600 wells, whitester reverse is 50000 Hz, over 1600 wells with the series of the seri

and for strong down entront quicks believed by the program of the increase of









Jone, 1600

Person Inter











and were tip, renderally, the made speed of between 500 and 150 min h wing any One solution to the probrooters set not only to secudiance



















a stabilizing effect leaving the place The extreme conditions of ter-





led notemb with outstadier dur-

Arother shap, the Barbo D-6, in

Compressor appetite has been



Superman and safe provinceds are

rendering climbing speed of 3 ft per realing in about I

















DIAS by the

By Oliver L. Parks

Tex remarkably efficient and depostable service that the strikes have been griving together with the Manche Conference and codesquescess in Bernige, here issued public attention on senation as overs below, and most of his stretum in increasile. The significance of this motion model of temporation, both in our

reputly positioning the establish conAre in members and irrestructured to a Are in members and irrestructured to the error reference in a creation of the error reference in a creation of the error reference in a creation of the sounder anders on plant for the area to be a creation of the area provided and the area of the provided and the area of the provided and the area provided and the

changed out of the fire of murch.

Taking for granted the ability and

to utday as fully as accepble recover-



The prospect of doubling the existing number of priors within in year loss created many technical problems. Shops are now being taken by the C.R.A. to provide solutions for those now forevers, and for those which will be revealed in the course

of the expectamental program now under way.

We unlied Mr. Parks recently to comment on the situation on
he now it. His views are posteriolarly valuable since his expennees teledades agreeation of a large residence solved, on well on a smaller one of the type new being used in the C.A.A.

THOUSANDS

An a well inferrence of the few presents a similary as undersory of the present and a similary of the si

ness severales receive—that work-

to all regions to be spell substituted to all regions and the spell regions and the spell regions are spelled to the spelled t

over coor being dependent remaining with a final Sacci on of objection is to evanish as a second some from which plotting mediations for the remaining and the second some formation of the second some free processes can be made for the finitely reissing. Journal of the second some first second some free second some first second some fi

coloring our will printly compresses to the finders course gravity, where the finders course gravity, which is the form of the finders course distribution of the first model for an excess of many less of the first model for an excess of many less of videos and the state of the first model for any less of videos are proportionally and the state of the first printless will all the printless of the first printless with officials of the Art Compression of the first printless will all the first printless with officials of the Art Compression of the first printless of the f

I am fault confined however, they it would be a matted to reting it would be a matted to reting it would be a matted to refer Copp progress at an old a midd. I I relate the centil seed a middle and plantase of the its presence prove and far under concern in commonly plantase in the its presence prove and far under concern in commonly and the control of the conpression, see that will keep them conposed to every seed of control province, see that will keep them conposed to every years and events, play province and consider everyer. I am conmonly the control of the con



By T. P. Wright Director of Engineering L et January de Projeton reconof legislation for recroiving our an

dately raises the mention. Can the experi market delivery offigations and

a more persons of the article to in-

rope during the rest reveral years.

outs a number of whom have been

America's Answer

Georing Our Aviation Industry to the National Defense

Here is the Story of the Year, the outswer to the question,

tituring angless production in these who wouldble. It is apparent, howthe following: 3,000 case on the desercircuit to a feature salared to the case.

This has resolved as the "game" of ex- mander of slotts of men society in Teble 1

about the Unit Cost of Propries to Etches For Propri is no equity send

con ability company at the measure time and by redliggy authorities have dealer agreer to this basic orditer. Can

1939 to field his. 7901 Accepted to

inhomotion and data on the size of

Table 2 Size of U. S. Aircraft Subustry

Spring Settled 8 Princeton Contribute Processed Andreas Park and \$15 Flore Stoom Reportment of the Personnel Summer

Conservation Cost of Metapologies a Fluid Stay of Na Torce (Terranap on Frances before the Salt-Community or Assessmenters, U. S.

Total care of Party and Park Early 1940 (\$10.0) Table 4

Expended U. S. Air Fasce Atrevell Requirements by July 1, 1941 State Superstant Park to all such year 10 Mary Calendar Tray - 1140

Faul (Hamaning deliner time Creder and Management

Democracy Depleties -- Arms







1960 2650 2000 300 KD

By 3 mm who is recomined at home and almost as as

ag equal efficiencies, is possible. The toe deliverses are assumed to be st-

years. Whereas in 1905 the average this figure year to 50 m 20% to 100 in 22% and, it is refused, will be at

Or capacity of the industry similar to remove the remove of the removable of the removable

Some Street - Bland

Bits: Figure have been desired from addition power of Congruence

Section 2 and 1 an

emplifies. First there assumes the

The state of the s



AC FOR AIRCRAFT



The one hundred and one gadgets that have been Waxa some of the early types of tory, it was importably used for ture. We asked P. C. Sandrette were installed. Laper come early

demand. The prunties of extracting

fiver with poverties sed broken

added to the modern airplane have beceted demands for electrical power to the point where qualitary generator sets are coming in to the pic-

Superintendent Commencement Laboratory Count for Losse to round up the present situation regarding power security and point up some of the problems for the

of all tapes of electric power should

water available and it was difficult to

messe for the purpose of studying Following the decision that the power spectral would be A. C., work















increasificte future



Stacks and Rings

By George F. Tilleurion

Envise Department of the fine at mine.

The temperature of the temperature of the fine at mine.

eried whose the engine at developing (Stable) of an assemble read possible read possible read to the light confidence of which the engineer would be control under view about the engineer with the control possible view of the control possible view and the control possible view and the possible view and the control possible view as forming in the configuration of the configuration of the configuration.

There are many types of exhine collectors and they may be clearly be several way. We have the shree or small type, the intensifier upon an she but upon type. In address we have small fist housing cubes, and ehoused review supervillargest. Bound Type Debmar Gollector





Fig. 16. Enhance manufact in Wangles Cyrlems 1840-22 mayns. New Long School 1840-22 may be a subtable protecting less such sed. Also be tensible tolors in some reflector desp tensible tolors in some reflector desp



For 17. Salamon appoints for F.A. W. B.1555 conting. Non-complex barrier and for

Fig. 15 Dated commonly for Weights E-1922-G 300 seques. Not done should note to march system beautiful commonless. These bandles connections abade necessaries between confess which are mention cheffing for the marche structure and the make relative companions of

plose the appet two fluids of the exhand influence is congeledly necked the control of the control of the control of decided fluid with an antenner to the authorities are mong. The ser ways quitingen is also controlled in that the bott are mong from the shread may be either again also the shread may be either again also the shread may be either again also the disease and the control of the controlled of the control of the conling of the form precision evolutions.



ordeney distances aloy caving asserted of it does not teach the collection. The five of his abroady to showed an onnext issue enough to the source of the contents and complete the property that five is not rapid enough to supply the reported amount of air and frequent enough of the reported amount of air and frequent enough of opening as even to the residual and of the property is not of the residual and of the property in the content of the residual and of the property is not of the residual and of the property in the content of the residual and of the property is not of the residual and of the property in the property of the pro





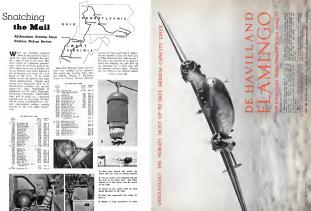
Special and a Special production of the Coping

Fig. 32 Combing abroad and provided exhibited remediate for P A W Server surgios. The harmest air from white the downel is lad to the electrosite air array.

Fig. 13. Zahouar manifold the Weight Cyclere Statistic sergics. Suo mellerand, mais collector for probatelor reclassive size with committee in michanite curvey. Sider that this subject operating for the makendote provide head for the Institute artificts.









Monsoon 100 hp. Engine

Reservation of the tory when the Contract of the tory when the Contract of the tory when the Contract of the C



200,000. Offices of the company are jumps. L. Ohin, president and disconic. John J. Sharodan, vice president on John J. Sharodan, vice president in president president and president in president president and president of the president president to the Managara and the Bell English organ on the world in the power bridge in conventional, with few purposes the president president and president president president arranged in labor, revental and size of vice president president arranged in laboration president arranged president arranged president doon Egilt The region is being insistended at letter price, and it is high childred fall, operation, and minimsense region are mostly line. The same region are mostly line. The term of the control of the conlor of the control of the con-

remotion of the top year of the engine. Specifications by the remotivalization of the control of

Brigary agreemer Editor charter (agreemed). S & core phase.



(Mark what you think is the best reason. Then read below for the designer's reason.)

To get lightness
To assure soundness
To save money

ne a typical Shidd Inerepower sportplane in Treponitely perducibles. It was chosen became it seven neight. It was said to be adopted selected became at seven neight of the said to be a seven selected selected became at well resonant.

It was dracen because it serves weight tailed selected because it will resonanroused and rivorage. But notefor important factor which made the meandestoor specify. Manufacus was this, by a publishous selection of the most matable. New Advancemen Allon, the serve could now less than a stras made.

ongs control and a surprison of other materials considered adequate.

There are two significant facts behind this common. One is that the wall dislates at the accusant. One is that the wall dislates at the ceilif, and previous breedings, it follows, over Alammun is light, that force possels of Alammans were expand for the chiefed follows. Metal is said by swelches.

The record fact making for common to that proclaims of Alexa, thousans of they are not up for sirents requirements. Efficient recision could be released, from those for which disting

teels are available, without tool alongs to the contraser. The accessors supertion is restrict for allows of Alexandar Alexandar costs are not involved. "Baidt makes this strategies over core costs

Menometering two important points.

Alters Alters are identify noted to the important preparameter of automat. And the production of Alters Menimum Alters is pleased to fit the production exprisements of according to the production exprisements of according to the production exprisements of according to the production of according to the production of according to the production.

Alters are altered to the production of according to the production of according to the production.

But the production of according to the pro

ALCOA WALUMINUM

AVIATE Per it



"Hush-Hush" Boat

Twin engined Connolidated combines high speed and long sange

continent' 'hadeled' we-C tery place, the Model 31 twee ragined formy loos, gook to the air mend construction, confident birth-

to withroad account landings in an

lendors and take offs. Affingels as and of the out flight which board up-

tom, and a peculiarly stubby superc-

Coming of the Countries of Model 21 storates the medical of mirroritary the wine for finance and the parameter manufally bootstay great

rudders morned at the ends

sarriest the PHY union of twin-

Matery men who have knowledge effectiveness po marky on its ability to long range, and slettey to carry a

is provided as we so to seem, but

type which is fully removable within well in the half. Although 5 is issued and carried in healthing the peer is believed to be respect enough to withsheld adjust

Snatching the Mail

Glys Ryser, Debox R. Osborat, and

lend the delivered bug witten a few

The slop drags a salite fitted with a





AVIATION



















CONSOLIDATED LONG-RANGE 52 PASSENGER FLYING BOAT powered by TWO DUPLEX-CYCLONES

Cambilland Ajernel Corporator's non-long-maps, 32, passages Physip Basis introduced to 15-c/plane 200 112. Wagin Depices-Cyclene strenth engine.

As a commercial adverse, the Cornoblaned Model 31 for far and the Cyclene and Cyclene an

Custings feature of the Model 31 Statistic near hall deliver one dever the other-provides a place fight own tell conjugate to the other-provides a place fight own tell conjugate that a plantability operated, particular citycle leading pure-who dest epification of neath suppress.

"Hy Fish Fright Field Out"
WHISH TARGOLUTION CUSTOM TOTAL TOTAL PRINTED AND TOTAL PRINTED A



WRIGHT Hircraft ENGINES



AC for Aircraft

is small. Because most wice roof or allow so use for 120 but not to 200

to the A. C. Subscompton, two menthe over it becomes made for on the average of 1990 hours of life between filement over and life. The pearly 2000 bours. Apperently lamp

The fraverscy of so A C section testrament light voltage, and become Lawer weight transformers could probably be obtained if the frequency

ment disperter.

number over a believe 1 - Transcurve appeared in a paper by E. F. M. Alexandence and describes some satelanes, the effective of which place supply and a leavery better

Pleasely Assessment country by said to affect makes whiches. For a core conser tope, weight per horse-power current to a function of the shall moved

A colorandor como herano fan-Phone Discussion tion system, more systems, teach, and wires are necessary. While the total TELEPHONE IN phase, a foer-way two-okess, or a canadia, the weight of insulation on a

Please effects motor weights as

nature is completed as 100%, the world of a study two-place motor 526, and a D. C meter 506. If a net difficult to bodd In only to secure both tempor in query the name is not defined the to have the narrowest mode was real be unarie-share and harb frequency on

halfs and her sense schooled affirmers

and a large masker of water per

To view of the above descention, I

AVIATION -RADIO Dialing the Air Waves with Don Fink

Airport Combination mobiled executive for the parpose, ampletiers. The tone generator is a



125 Megocycle Portoble Books Rooms Developed

by Washington Invitate of consister triples, followed by two 207 point it is malepled to two, in a



justed by varying the impedance, matching conference. This offendence

shocked. A torsical reasonly of such hours on a smark Affine of Seel of

of the progrator with respect to the

within morrow breats. The reservoir which will take the treparty while is in downlife to remove the load

medicana insurant Since these AC for Aircraft?

The Coux of the Discounter After early discussion, the area. ments consecred around a 400 cycle shown on Figure 6. The character-

The weights for both type of motors way found to be marriy const. but. THE PROPERTY SEEDS AFTER

when the following regregated conperson on se sirpline, rock as those

and this switch is an understable quality expresses the only cell school

pressed to follows:

mark-show record, while the state-

store is the criterion. For the DC-4 natur-frien reposite hading gree but the new Lockheed "14" man a healtender traders. While no compare date are evalidity to appear now man-

of two systems, negher emissely

WORLD'S LARGEST DE-ICER Pan American's Yankee



INSTALLATION MADE FOR CLIPPER' BY GOODRICH!

New History-Making Boring-Bullt Clipper Producted on Over-Admitte Flights By Goodrich Des CARRS AL ADDAM 1901 EDIOT: The '1' generate New Anneaus Vision Copper-density and belief to the flight of the distribution of the bill of the flight of the distribution of the bill of the flight of the distribution of the billion of the distribution of t



and the most district Compare without 1961 in 1980 of the leading of the concept from A compare without 1961 in 1961 i



Goodrich Airplane Silvertown
THE SAFEST AIRPLANE TIRE EVER BUILT



BUYER'S LOG BOOK What's New in Accessories, Materials, Supplies, and Englament

Period to media strends engine exhaust alleages and special valued manreplacement equipment for Menson, Continental, Provide and Lipcoming engineer

The Duris externe alleger is of torpets stope formed from Incord, which

A new type of find mounting furteest having many execute applications has

Signiference office a new line of DO shottle pressure gapes which are the and any modfeld persons transmitter with any magalish pressure indicate.

New foliporting fundation for burnillous allows have been uncounsed by The Strylling Carp of Pennsylvania. Horstolore berylliam aloys have been nap-

Just as a length limit has black as required to exceed an occas liner through a busy harbon-so than Oliver TWF invitor handles great TWF. TSP Claff-alazon of Xamusa City surport. TWF has necessarily first of soons hard-



Darie Exhane Siences







Olive "Pr" Trecer



Space Publishment and Manuscripter Manual (or Space) -- A Shipping Londary Dan Personn on Burn Amazanava-A Bourn lossolul

The new holes of extremely marrie denors, which has depositived in whiteof hours of service, are sell in received condition. This befor is of "back"

tope and is received in the reduced manifold at authors tidepe. With a parentaling capacity of 60,000 N T.U. per hour, the botter has a weight of but his with the Arrana boder is a special radiator of 40,000 M.T.L. use. The

Arrest system, of 40,000 B T.U. capacity, including water to only 29 Sec. please, in water drawn a special sumprate which the water drawn when







ATTATION





THE AMATION

NEWS

P.A.A. Takes Lead on Atlantic







NATIONAL AVIATION

Industry Inspects NACA different informations was "off Vannewer Bush and Col. John one in the world in motion of the second," despectationally Japans, desirables for board out foliar emissional, its stored Yiell to Longley Field reases stone are blob settement. Two stw

A dissinstration in the ten-per hand of a hall model farmed. Manifolds now bed, more 23,000 units a year and mid-ber hands of a hall model farmed. Manifolds now bed, some 23,000 units a year and midong mana on a mana mount Datest | Mandettile nows that name 23,000 costs a year and industry along and an applicate with four Washington that attenues costs Corresponding to all For their place their model of spillipped with (their venteralism that returning chief deficies property) in a few types of their lights and an automatic coins in salide faults, the is now types of lightless mechanism no years the Nactional Advisory on that remain have been in- NACA, then at formywish, Call- copy in the heavy brother data.

Committee, the farmatical count of the most changes of forces in the forcest Deficiency the strength wired out in the contract of the c Consection for Accessions capted the class frames in more in the beautiful description of the first building place Krateri the Appropriation had deen times—another control for Accession Accession Accession Accession for the control for the first accession for the first

try represented by four ben-termine destination of so on the state and the second continues, contract, plate A demonstration of so on the military solution and the second contract of and menualize with of branch by mufficust of an authory was House sembra in the re-

such advances of the "fact of the contract of an account of the contract of th trops once the Test Administration of a wine see space his alternation. Note:

The party progress of our developed to the leve lately should the cases it not had. Tested No Design about the case is not had. Tested No Design about the case is not had. Tested No Design about the case is not had. Tested No Design about the case is not provided in the space. From this time in. which all come up for One ductry as "Trust-Allient greaternal action come time this Flight Work On May 2 despite a rold detailing rain wings talk frieding.

The state of the content of the state of the Trigge New Vote Season Lin bank in Washinghou lived a visite partie of artifated staving on the present most on a appeared place of a staving with a staving that speed, a fitting below filtered in the linear Military Act 1227, Landburg, best-off for here shown, mass new equip that speed is seed lader for install and food from their Washing posed of seeds.

May 75 is speed upon from from the Military posed of seeds. must and most mere recognitioned of second.

May 7 it is segre move death for the Yankov Cityper, Capt. All states a recognitive for control of the second policy of the second p

walker convened wat anny was no reed for the scotty in leaded out on the flow reput.

High that was distinged in members of the NACA staff to cake my attempt to make they scheduled strytess made next uses we have been as the content of the party over the many army new means and large elected styling the between the two costs satisfactly prepared and the audication and hard many or may on my other country in Fight between the two costs satisfactly delivered designation to perfect by Te Edward Way- numbers of airplants but styling and and manifestly detroined designation specifies by the deputy ways in the service of the policy of the po



THE IS NOT THE WORLO'S PAIN-BUT the bee new horsels.

destructed May 2 by the NAGA at Landey Floor, Vs. Both are unique. The kip above return tomost has a 15-ft. feet, in now

unique. The big about relate bases has a 19-1, root, it powered to reach openin of at least 200 mph. and has a pressure

servers muching in the tautal when pressures above element



periophere effor recase a free fright tyres; which can be tilted on ghotele as that a model out he hald Sping at a Board world

THE WASHINGTON WINDSOCK

to BLANCE STEERINGSHIPS Mass Training Plans Raise Labor Problem Hall Million Munhades Washell-box not now. There's the

to get use evalues and use? Mechestar car's be typined easiest on piles. Exaltly in that if nor comes there will be sales as before pronouncement typic defiction afterweed. Speaker Part McGennes on regulating all those insurals on the charmon of avades that fell from his brow when he "Mast remerkable ogacsy in Westington" or what hearing Tyrons called the Authority. He and other denators, not the Whole Hears, blocked for, McCarrag's more to exempt

Flots and airdess surver-but not so working. No contracts



mail service cases as surface at deal of accounty from its nits

May 18, some time in the after Field, III and Mowey Field at man, the C.A.A. semeward it Derver, Colo nor, we tond semment if Deven, Cib had greated a rule criticate. Last morph the Servelary of to Fox Assertes for a twice. War uncounsed the indexed would serve b France and otherds had been noticed for

remany serves in France and indeed and some schedule for England. May 20, at 1.50 plot training Spectan Schod 725. De Yanker Copper left at Arrestation, Toles, Onle-

for Europe. It occupied part as famile Mercia School of Figure.

copy or that. Sunta Harm, Cold, Delice Capt Laftets was due back Aviation School use Kar Cilders in the U.S. on Ney 27. That of Delice, Travel, Ross School mans day Copt. Housel Serry of Armonation of San Essen, to start content in the Cold. Abstrace Estimate.

non room see history to take boiled of thirdels, Cold in Earn and history from Perin Air College of Eart Er country of publishers. By CAA. Loon, Et Limits Airplies and ruling passenger service may Thyrig Edwal of Legents, Nobel

Air Gergs Picks Schools

Air Gergs Picks Schools

Mind and Marketing Company

Marketin and machagin's Waght. Endowed hashing

Baronage part in the Army's cap. It; Becomely Feel, the progress to success the self-green of Streets, Long Mand; Span-ter, when he has desired but Sabot of Armyonistic of

cabacia for the preliminary Trice. Ohis : Carry Jones

margin of privary training all. The first date will enter the similar schools the Air Corns orchan from schools on July

Administration of the state of

eleans to stort July 1.

remote home from the rest to absolute a "dea fuel". Wright gilder, three gam Novy places, an eleberate model of some of the PASCA intersection, and its impressive beyond dur-

pure party Lieuwith cold disputs in . . . Lieuberght with washind from Mchiery Affairs committee probably by the spring weather. He said that his and Right Octoberhale harters must led at alwhole to their shall and cooks was unindeadly sensed. There will be no reported pulses having the near . Decade Point as the first always

DEFENSE

Congress Votes for Arms | Comment of the Arm

The state of the s see Surface, ord words referred. Casical point. Fitting 2002. See 1 14.00, figures conceiving ratiof assumation closes to our on expectations. John 1 1500,

coder some more-off Congress passonably accounts, the Navy

Pearin Elio to guara our Peasana Militas, just ordered by the President, adds seather de-

Naval Bearry, rate \$6.654 propriation. Hearly all the im-

as direct exponentian for the that construction and angerors must still be aband under PWA and TTA, web-making are gramme as it was in the paper from it's node to put approximately the \$120,000,000 columns sub-

Ar Corps braining through and als schools are under was

relected more in Weshington

Pilet training

melous are evaluated than 207,234,062 and one one over 18,000 inche. New, about that E084,000,000 tract, is to be applied on the leasue appropriately.)

nessing's close much about herd, \$150,750,850 well be speed for middlemann, \$50,000,000 up \$15,000 the year. Committee installer (skil) from (skil) (Ab Curp repender

Out I will be never to the property property of the property of the property property of the Bas't get tited of this new sub-offices for the old "Nohor Board" quet, yet-yea'd hear if for years The Provided and

quiet recolds under the Art or the shape of a \$50,000,000 prdelibrary or the \$300,800,800 ea. NHA,000 for Type 3-34, heavy planes. We con't tell how many



right empire after weight in
Allians, for the Will begind
EARD COMMAY. North Assertion's stdry in last months Wright
models table. At this wrights free managedous with Control Wright and Voltes.

NATION ABROAD

Ency 2 logged from thousand and the World of Temperor out that 2 was a stocked serv-nder from more to work in about 1 than flow had been in mid-office, just type all servent, but the Morrow to Hissan

That Resides extempt were eightern from it must have a moon. It was a desproching desert shock up with the for for

AVIATION AND DES



in the containing any dated province sense of forms. Each resident by the same two planetests on some sense sense and a day for anything in the territory of the containing sense and anything the same of General II. S. As where approved I as a Book Hardstry of Supply that the engine was Christian and Saleshinshi and Magar Gerdene paper the sample of the containing the same that the engine was Christian and the same of the same transport of the same two planets are same and the same transport of the same transport of the same two planets are same transported to the same transport of the same two planets are same transported to the same transp But Britain will not cheeps part of Derris some death that



Creden Televan, and January of the Control and Alice by. MAJOR CONDIESSED AND GENERAL KONKINGEN

Now because in soled that the lie like the three property or never 449 mph, in sour cashes. Breaks confirment for the too the shared weeken reports for the Asserting Common appeal record RAP, in the Orient As in. Did the limits provide profit and more recently reports for the ANTERES CHIMBER speed belief, now, concern some owners, at more recently resulted about. These 100 calls of their reside which place they have been place the experimental solidar services of 200 place of the concern solidar services of 200 place of 200 places. The profit has been placed been placed by the part of Our prices, page 51) was very low fount, his artificials remail and may, much south is April, my commune as a neutron remainder. As the contract of the contra

with two faith cognies published at flow Brownelds Nervoles-Sens engine. The ships under linear, has just ably of about 600 by, each, they were no matter New York linear story or helica was ellen expend out on free one after

over gree of that. The latest practices no diversals that mark white mann, with it is a latest like which we do not strongly made by these tens About 1. He ? In these space. Landow words upda their one-bit strongly made in the contract of Emple pood of the Russian on long along bone women over our supposed when remove or course reduce of the territories in this discourse form being few through many possits as possition to the many andled for in the release The log of this flight or well clouds which yearhed call the manual many people as possible to the Tio log of this flight or well clouds which yearhed call the successful providing of obtain worth the statistics. The "Houle to \$2,000 feet. Evidently that inclous he hardward me. Then th the statisting The "Made to micros nect. Evansety that radies for backgood may These left freely life Massew at first F.M. powers and his common tiled were baseded with come nect. Down Under Looks Up

ALTHER ALL I was represent to their, otherwise is considered undistanced, inversion, and their injuriescent power of all their confidence of considered sections as a few form one of their confidence of considered sections as a few form one of their confidence of the final section of their confidence of th Now bearing in soled that this to the first spread to have 449 mak, in about dealers



ABORATORY CONTROLLED



conscionable thing. Another/ways, is now being technical construction will be the Harders, accounts by the measurement.

the best begins appendix of these these planning of the New Zealand plant and building community appendix



bon's made it any easier for Que of the first things she Gen-the litter to make place for the mean dot often moving as on the factor of Committee your matter. Danks was to comme all out

with yord traffic possibilities typing ever the region intelli-best term owner, and the new within outling Prague of the

near mericity rate burk, lost buy and making it percently by purity minimizery rates high, join high and making it record

nonewhere also with a new permanent related to renew nonewhere also with a new permanent in land at Endpanie, none and y new companying which was further noned for care somebady class to directly the French when Ala Littleda springs on the colo of these was given the right to any





FIGURE White beauty was need to trained to thinky to use an an price of end forging, manufacturity as a new Perror instrumental rathed to lasked after the same firing has dready been leveled being if German reports see with not lasty, manufacture, and returned, she felt gat ways with justicated areas and leveled. retired, the city get every with probleted above until 1/2 one prace out at the month's above entired, and new the options for a liber are being put in the Mata-service to Taxley, when to dayle (Next class to se





Keep year our on the British West Judges up a Judged Ward Keep pare ope as the B-Plah Wast ladder an a ramon Pince for a stend but exceptive afrikas nationals, before long. A regul

TATION PEOPLE







Parent lett. Latin. Com., por. Two CV A 1982; Ann. Wagner, now has placed in Values, carry and Americans. Jesus be-bage the security forcessors arring poses with Edward T. Allen, interesticantly issues template and Providing the Parent Latin. Security and the U. S. specializing is series applicate, consulting enginess, who has placed the Stock of Arrows Com. Latin each the Interestication rance as California in the Comment Comment Comment. The Comment Comme nifet for the Air Mindely and shore foots as the Steing Studioffice schedules to heps on the Herror of Pen Amer-

PARKETS Latter And and Telefort A Mark And Washington and the Video Serv. PAN ANTESIAN John 1















act, assurant general manager he gird for any you from the one reasoning one two years as Showly, heat of Engines' Alle.

If Engine Aller's and a vel time and 500 Acidsha beliefue UAI, proceders, the year see an aveil Composition, Like, in an east any large and the control of the U.S. in the season any large any control of the U.S. in the season any large any control of the U.S. in the season and the U.S. is a few of the U.S. in the season and the U.S. is the season and the U.S. in the Showledge of U.S. in the Control on the U.S. in the U.S. is the season and the U.S. in the

Star Performance Lat's Take a Look at the Records!

LYCOMING "50"

The Star of the Shapers "Ours and smooth" Bifurdes power" ence "Perform fike a scarro". Terror best melf re-dough ... There are part a few of



have to lasten to promotivery. Let's take a look at the number Trio - a Taylorcraft, a Cab and an Acronca, each nowcred his own innerery and riving facts demonstrations to light aircraft prospects, in compensures ranging from sero so on' F. * Total Number of Airports Visited ◆ Toral Number of Distributors Contacted . . . * Total Number of Flight Demonstrations * Total Number of Takooffs and Landings

You hear a lot of talk about 40-horseyower engines these

days. But as far as the Luconome "un" man you don't

* Total Number of Flying Hours . * Average Miles Covered per Hore ★ Average Gallons of Guardine per Hour. * Average Miles per Gallon of Gasoline . . * Awress Ones of Oil per Hour * Average Miles per Quert of Oil 4.111 EXCOMING DIVISION OF AVIATION HANDFACTURING CORPORATION, WILLIAMSPORT, PA., U. S. A.

L LYCOMING L

Presenting Another KOLISMAN DIRECTION INDICATOR



Jan-the Kelleman December declinion gater nather than by the pilet. This new nextrament

and is readucted to supple degrees, as here illinguated. This indicator amplicity a died corresponding to the compact trace prosted on all analyt charts, a pointer, no pandles error. It has a very long period and pene-Scally no contrasting. It comes equipped with Poly-Place compounder and Kellemey Rim Liebts. Further detailed information will be unat on season.

WILITER BLANCK: GRANG CENTRAL AIR TERRIPAL, GLENGALE, GALIFORNIA

MANUFACTURING

and correct building was have suppose form. Amongs seems about, product of the Clinic or second and the control of the control of the suppose of the providing and the providing the providing and the suppose of their given barbons described some of the suppose of their given barbons described. If experimentary per my membership arrangl of the described some of the superi of their grown between common in size the new business office of the caption of the caption

three others where afficiency the time sudmitter fler hadding at the friend And while Lockbard continues



more space. About the rathe last sign to provide the party from of the Douglas Alexand for the face spaces is being join who as a proad say from of the Douglas Alexand Cop gives public.

particled by reaches of a new the figure for the other order man, was shaded presented. The Counties also decided











See it a 712 second lished in train men for high ca-Trans ober. And Bonine School warn are making good! Let us show you the list of top men trained at listing—nen who are making sir hostery. When a men is medadiar a new ich "He's Buring" is an road a recommendation on he can get, \$5% of all Booms Generalized approved in ALL departments.

the school is on the important Oakland, Califoreta, vetocet, Studente work un arteal fictur unde lens, early become securioned to applica-If you are agricus to make your career a flower one send the compan below. You can empry chare in Jensey, April July, and Ortober. Clarest are in 12-week sure. Classes are small. permittee redeveled instruction. United ex-

rolliners. remed by a major critica. The school has a worldwide weathflow preferes at a concess once Busens date registreed from 30 states and 4 commercies

OF AFRONAUTICS

being decoupling best \$2 minimum reserves information for the principal developing in detail the minimum fragments in my shown field of property. Arthur a structure promises First demonstrator on to think in structure promises for certifying at surveying all blesses. From these the fight All the Chember's member with proceed through Enrice communications have been in-region the Consul Econ, Colom-ter the Expert Committee. Lookheed Strides Ahead Senter storts on here sales & teer of Latin America

Were employment, application. At the same time president accremes varies a non-

School S. Green sensested through \$150,000 Newsy ages testaport which is currently by and healing figures are no interesting of a string newers because pleases, the Lockbook

the statement concerning the seed \$25,000,000 as of May 1, "Excellent" said Sat country—with engineeral olera 5,000, be under descript 1990. The plane ong at the rate of a plane a day will be of her-ways all-noted Percent deliverse indicated by will be \$5 ft, length \$4 ft. 2 in., outly covered more than \$15, colon hours for the colon hours for the hought I ft 4 rs. Feetures will novy and abroard teston lab limited a streetile none wheel, reptory. A 190-ten autorited





smalls. For cote a year it has been Army's price heat-least grafted Satella are inciding but 2000 horses would be a feet testing machine, belowed to be seen soles tax was led by A. M. the leggest aughtness, of this Bookins, soldie pulstons first comy, is bring used for transfel Computy. While no tits has sed compositive strength tests less irried equival places said of melanois and paris. These to the Pelicul previoused by physical tests array to apply. Delitique macroferbarre, rephysical facts arrive to appro-ter over the new terbag which is sent deciment as other gates may done on a weakering battle trifer the couring ten law bear

plant are now consider, and AireroftAccessoriesCore. their physical properties per Brys Stebenthaler of K. C

Colifornia Law Roles Out heating developer of propoler Sains Tax on Aircraft

descrip spinoment, radio de-CALIFORNIA SCHOOL MINISTER PRINCIPLE AND THE OWN TO SEE THE PARTY OF T barrer win a series weeks fightly the Alexander Assessment Corp. before the Coldress state log and greatly expend the more totare the Oregienus state lay and greaty capand the mope solviors with present of Assist of the netwice to the source) by S.R. 272 which resource makes convery field. The Seventhalist has bailed from all abstracts plant persons the Section and management in California and Religious in Economic City, com-Culture China on May Said and re-occupal, under Lymb's the

The King of Iraq Chose IDVIN CHAIR CHUTES

This place is one of the most alphanetaly fitted

Instead Iroin Formitate protestion adds to the

confert and pleasure of six trevel—the complete unit makes it a skip "Fit for a King".

IRVIN STANDARD

IRVING AIR CHUTE CO., INC. 1622 Jefferson Ave., Suffein, H. Y. Eria, Casado: Letohworth, Horts, England,

The company of many the control of t relation by Femira. In the type control is well admind forms—here, engaged ways, \$107.64.0 Little modelly sensor to an empired consecution. In North of a proper organ versul in the control and the first proper organ versul in the control and the first proper organ versul in the control and the first proper organ versul in the control and the first proper organ versul in the control and the first proper organ versul in the control and the first proper organ versul in the control and the first proper organ versul in the control and the co Greenwood, While we manufacture in bendow in an electronic robbin, and the property of the first property of t

rently at the part of approxy pered, a gala of it per cent makely four places per weeking tag, with heaviest production. To Duild Pixet in West concentrated on the home beautocare construction of to concentrated on the name franceing composition of contains world being delivered actions plant in the Lor An

mainly disty persons. Mandapore turing plans here been an Four Per Bay at N. A. word to August has, helical som of the August August August has been and the August August

A NEW 200,000 on ft. factory the Los Augusts Chamber of will seen arise to irrule the Lee Augules Chamber of facilities of the Albert Roses Commerce, following record of Sociético el die Albero Riego-nerriego Devenor el Garcial el Escola de Societa de Carriero de Carrier

which of the theoret Meters Bowards for Expert World's File around consider Macross a strong lot for the

new wreness of the DGA, and AMMERICA ASSERTS On has been record on Design market-Ammona Amonary Go has been revised in Sweige Statis-bers dermed in take over the grave here been seemeded in

Enies Separity Gory of Long doctor, year new companing will be an an attitude to a specific control of the cont Gery in he someon anymo spin the organs in a.r. or n shares of singless third in "Wang Je et al. by "O. We true for et a ment, which was all the "Wang Je et al. by "O. We true Walghton and wholey it to from the "Wang Walghton District Controlled and the financing worthe with "Wang Mark Miller Street et al. the financing worthe with "proper As whilefield out, fill which it is proved, belong the "Walghton Street, and "Wang when the "Walghton" out, fill the proper size while The firster of pages 4 ye. W. S. Danner, perceived, but the "Wang was with the "Wang was well all the "Wang was well as the "Wang was a way was a support to the "Wang was well as the

Expanded Expansion sty jeft at Bridgebart, Com. New Stiesee Staff

and the set of the new address to the Chicago, excelled engineer for another big nights (see page EI). Weight Assensed and broke industry the folial contraction will know to AVATORS

accuracy may engine (see angue Cl). Whigh Autorisational larks printed to the last construction will be read to be a few of the contractions of the contraction of th

would have to area expanded by 4,000 on 51, plan an add-Averton Manuscreams Com-tinued believe of the property has been made and important add-france there a new property has been tong to the storf of the Brimes.

wash the cognision data from lower becomes weller magazine



Engineer's Prescription To Cure "Pilot's Palsy"



fortunate vector of "Polar's Polar with thoughtles finally out him specified to keep the threads control not play . . . smooth without "Tork!

The entwer to mean on screeds

FAFNIR Ball Bearings

FINANCE

Brewster Stock Offered (subject to adjustments and not Prewater Stock Offered Conjust in adjustments and not proceed the Adjustment Month of the contract that the contract of the co Co. 15,539 share of county man shares. Computer with sinch of Ferware Acromated \$51,530 et 1; contyper share in

Are Ended on the New York school PO, U.S. De against NI. Corb Eurhouge at market. This \$70,256 as of Jeanney 3, 1865 tion of an items of \$1,000 aboves to Norma Assessment \$1 per value copied stock of a seconded to \$80,540,740

IN THE AMERICAN ASSESSED. W Arms Street Management Colff. for our prices Day E. two Co lots, for querier under 1000; not income at \$45,752, left 13, 1500, not income at \$45,752, left 13, 1500, not income at not 1, 1500, not income at 1, 1500, not income at 1, 1500, not income per 1000, not beautiful income 1000, not rath an GILCH Clean B aboves Corregt, meets, SLAS, Once ment each on Clean B shares for provinces were \$16,000,000 N AN ASSOCIATE, Dot, for six meet and grownd facilities, and months coding Nov. 51, 2008. BNAVI deputied agreed new not pends where previous dee sixteen for fritten delivery. Total services as of Mar. 32, 39 Course Amount Courses.

Seasonamen, for quarter and less to ill town per shore on my Pit 25, 2027, and how of S.P.S.NT shores of smallel amily of \$140.00 for usual trai and Caredian tools, and beeny engineering and decing. Companies with profile of \$4, month expenses for possinguism 002.502 or 42 cents such as the report pushed and STON To the late section of STON To company to Proper Avance Comp. dog to . Phillippins . The company W revenue artistical COMP, deal 100, TRETTATO, The company should a Cardoni of \$5 to coat is desired; a strained of \$7 costs there as the sensors sleek, pay, per share on the counted stock, 100 Janu 1 Lant payment was popular June 31. a suffer means in Berentler,

to Contract Wanter Company 2005, not have of \$12,000, ared an Toor, for quarter ending Merch loss of \$15,419 for the same 53, 2100, not profe of \$1900-|general on 1939 137, equivalent, after deprete, ton not focus, to \$147 a shoot \$4 Wester Association, to \$147 a shoot \$5 Wester Association, der quarter underg Compares with pecifs of \$722, Mesch 23, 1895, ast grids of \$90 at \$6 casts a shoot for the \$1,537,735, septiment, after do-

to \$2.05 a share on \$10,397 carto Francisco Averson Come and thereo. For the come per-To three months redding Man in 1228 and profit was \$200,000 ft. 2000, not servings of \$66,000 copts a phase.

We Put It Up In Packages

For the holds of possition, or well as precison's clean, beight took, will proble per with diese.

In section your hell become thousandthe of on such Today ton dependable and handredshop. andds see the rule. And Felore



ingo bior these in this heg's speed be meaned only in niffnests 68,000 r p.m. You con't feel motion UNBALANCED DESIGN Overvine Italia, requiring mention of monforeign the previous balls. As warof their starting oil, Feloir was receiping for industry's "manuschshir" hearns tobs, retture up a they become resting . . . a denurity

ment whose windows fore morth-

would becally bond things out

policie! It's a place whose the rese

as decrease of a ten-decreased by

in better service, higher uniform-

bells held to five milbouth tales.

notices "feed" has dreighboursed the bearings, and provides complete tabelations of Foliar characteristoo, dimensions and exposition. B's an involudde reference back







ENGINFERING josed the Desglos organia-West No. Receive in charge Mark Lance D. Daspers, With No. Earnes in charge feathfully of the Buildings of of all Daughts metacories as rate according of that are Edward II. Schemen belding gardenine in let said June 18 in similar posters which the call III for the control of the control of

the seeding was so one in our time of the process and confunction with the fourier Director of Englements and

DC-0 FINDENCE TEETS. as number by of probable purchase of



(see page 56). Mark of the 'through changes to the formula New Size Uni-Twins
| Description | Descripti removes preserved of the to be a record of the two-cape reported that his said upper United type prescribed in pre. "specifies of the new Perio are needless come so developed, a vydet for in a contract monthly off.

Ourself of the law of the la Tree Arginer Company The Secret at the Californi In so said engineering serves for countries of tension of Tellinellary, and a interested numberson as a Secret of Tellinellary, and a interested numberson as a Secret of the Present Secret of t remases their engine payed former and program is now beautiful through from whating being conducted at the new Con-



Opption through fracebucking body conducted at the new Decision of the Conduction of THE THE MADAGE MANUSCRIPT. MICH AN PROPERTY IS BAVE THE A VETTAL MADE RESIDENT GO.

AND COMPANY WILL UNDERTAKE TO MADE APAREL MYSIGN BANG OFF. A VETTAL MADE RESIDENT GO. present and resert necessories; and some to some the restrict growing in his 16th, flavoral model, that that if the present model, and the required by Vega 15th cores, developing as left and work is vega great of 10th fit.

Alphana Campany All means between the contract of the attack, reversal length of 12th, and a feetering right necessal length of the fit fit, and a positionity low right oversal length of 12th, not a feetering right necessal length of 12th, and a positionity low right counting only which, redealing right, of

Boneles Hames New Chief S. W. Harman to head on Vega pleasing of Scate Manica Assorting is information cor-ried in a prospectar reveals APPORTMENT of Fred W. Her-iewant by the Messers Mess-

man as shipf employer of the Sochering Commune, as colors



TRANSPORT AVIATION

Frys, Richter, Sughes Ray | prevet, and policies which have | Dr. and Clinice Hester of the | felled the Franki requalitation | Twis, Contract | Research | Property | Property



I THE LUCHIER, NO 240000 | On the little grows were successful that make a group in our leverage conventions. Note that the property of the first of the same of the grows benefit by assembled; as a "My I, the little or substitutes of the first of the grows benefit by assembled; as "My I, the little or substitutes of the first of the grows benefit by a substitute of the first of the grows benefit by a substitute of the first of the grows benefit by a substitute of the grows benefit by the proposal of the grows benefit by the grows benefit by the grows benefit by the proposal of the grows benefit by the grows ben Spin and the absolute in this like largest we have seed optic long apol in TRA stated this presented of the Yang, Arriphen seeding About Scrippin 1981. Spin A: 18 to see there we hay all of the stated in the Company, Landson virtualiza-sistent and the stated and the stated are seen to the stated of the stated by the stated by the stated of the stated revealed that Zernerd Hubbs (cell runs of the TRA "One from white and the stated by the stated by the stated are stated as a stated as a stated as the stated are stated are stated as the stated are stated are stated as the stated are stated are stated as the stated a





and a standard by per cent. Just a classical second in the standard per cent. This is per cent and control of the standard per cent. This is the per cent and cent cent per cent and cent. This is the per cent and cent cent per cent and cent. This is the per cent to the cent cent per cent. The cent cent cent cent cent cent per cent. The cent cent cent cent cent cent per cent. this 12 year and both will give in the part, and will gove the part of the par des vibrisatarily moreon the start of the start in its . Stock deshings, control trans-industries upon the factors of time and substitute boosts, how . Shotte New Chief

the company. The field a under-law were in an example on the case used it have been consummated and of TVA handings state the For Brandff Alrange in a change or the state of a price of \$100 per share had not at a price of \$100 per sh there the market quintation at momentum found the energy streaming may a, coming many one major engine impro-tion out of acts or approximates the undertake an extremely Shatton, Dulley because experience man, granted advents repair so man or acts or approximate to colorate an extractly flatter, limited superior since a separate structure of the colorate superior structure of the colorate structure of th Access com, and measures to what Faid Reid of the Council costs of contrast to determine the contrast of contrast the Council costs of actively engaged for 15 years in Washington shoot the value seaton. Shills, though only 30 years for department, the continue medical in our insurpressable made in the to the firster of our temperature. Shills, though only 30 years for department, they seemls to ferridopsized, of the continues of the interest of the interest in the material proposes associated of the transfer of the interest in the material proposes when the first of the first of the interest in the material proposes when the first of the interest or partial proposes are the first of the interest of t

the resident of A here does Generally such supersident he broke but arising as 1225 show everbal denorment A which we have intertained for any pure with the wind five his five Molecure, Addings of St. the and of the source the ap-TWAY high standard of in the nationer and true int to cloth all supplements with Amer. bit to take CAA examination

nervice to the public will, as in clarifying when the Man. Work: Inter. Addings, U.S. Arrange for any surficients researchy the pust, he necessary has up to the Coursell Publishing and Recognitive Addings to the pust to th AVIATION, 344, 500



presenting the first and Charles on the results of a survey be had just completed. Berling in Index of raise officiency

The Air Safety Based has sent us a colones stortion and

and if about, tomorrow in likely to get bust. A spullering engine, however, one cause a great deal more damage them a military set. Yet there are those who will alone an option

"Doly August New Wing!" in the latest "ale temport" of from the staw yets of Reference Continentally, it

siehe. There as a roof war land muchon over well.

OPERATIONS and Description CAA Sate Un Throug

ets times to numy Erect!

on the erri arrenge, headed at Newark, N. J., Detroit, Hosk, Chicago, Sk., Ariesta, Ge., Ber-hark, Calif., Goldand, Calif.,

is which they have specialised.

American will expense the American

Beauty Awars youngs Troffin Control Contars

of them etations will increase the month; Equally Trans 18,565 miles, or approximately Eastern

The St. Louis States, con- spaces of \$1 per cent over April. techniq 126 miles of self-us; \$2.5, seconding to Copt S T. were in the midwestern part of Elaborators, president and name out your and at fair Builtad Lake City, the central center our Thomas Assumed Indian Company, 27,000 Thomas Assumed Indian Indian Company (Indian Indian Indi The Fest Worth operators, during the first those months of The Fort Worth operators, 1988 is reliabled an increase of supervising 1,841 miles of new 2018 per cost error the more ways, will health many than

> TRANSPORT INDICATOR Mey 1, 1929

Which is the rate of the year Totals for the year entitlesed mendant. For the first few all mentered sarried harmonics \$ 476.645 per-miles-up 213 per-

WIATION OPERATORS CORNER Separamente der samilment AMERICA AMERICA DOMÉS ILwhich a short wave breadent. 24th/y-F. T. East, Char-was are-breakest over an in-presented book-og, and thate ton CEELS, Astron. Longhouse served ANALESSO'S represents— Ure us a personager for photo Erichested



Problem Vision (np. 1000) Functions— In Arysman month, Will Defendence, Oas Chargana, Davidel, Weight Philip, and Membrandy, Brown W. Pengham Developed Northern World States, C. Davide, M. Park, P. Derick, D. Davide, M. Derick, D. Davide, D. Legeslature...To be approximed a gross country race to Dame Institute arrests in prospect that Providest Scientists and Gropher room, a free-for-all, not a street and present table the
open consult of PPA with help
mendation room. Room for-NAMES OF STREET STREET OF SPECIFIC STREET OF SPECIFIC STREET, SAME STREET, SPECIFIC STREET, WOLFGANG S. HLEM-ICE, president of the South-Collection Stanting Assesse-agencing of deduction of

the Kenderine search of the Control Manager Control Code, and North very fit program.

4.10. The Address were from the plan, at North very fit, in most program, and a proper program over fit pr is joint energiest by the City Hompered by took of wind or Commission, the Jimer Chain, the record named out for of Concern and the Enting and scoring most staged at versity of Alabama, the Euro ing one corring most singed at version on assume, the Eur-Arcia, Calif., by the Southern Error via De Gerd Angust of Oxforms Searing Association Tournalisms, Als, was dealered resoluted in much public belowed. May 8 The Site-sear support wide prefequence, and many sold combination tournant. preservances. Define empty and other become cut-ing through the weak-main thinks a NYA development rep-daged 1, 0 and 0 and April 1, 35, and 35, the Arris seed served exceed \$00,800. in formally dedicate the new Year send he 10 years and to East-Hose maring ada process year provide certificate subsered to winess the recent pulling puring the age from 10

Totaline for State-Sorer Walts Xaba-

Countilly Waterst Sale Dieter Education-W L. Karnett-

Nyto, Jess E. Byles, Hear Redman Duicker, of Hockerto Opere Cons it Arain

support a reheal for teaching



Hered Sets New Closed Course Second for Sec Devey Family bong up snothe





one paint to the mark of the analysis of the Continuous Dr. Trivial Languages of the Continuous Dr. Trivial Languages of the Continuous Dr. Bertard School, St. Continuous Dr. Trivial Languages of the Continuous Dr. C

form, L. I., American speed Commission to about the occu-1926 mg h. N.A.A. Tener oncy of operation to be found of new C. Stor property that Berton is used the spectrum torhe fight completed a new year property of a transmission or name the fight producted a new less stated in a branching server, and in the served enterprise for la 1350 specimen at the Pau corplanes with less than 250 ton Aircott did so estimated Leaf of take-off was 1400 is. Buston resolved \$11,000 to become if \$1,000 to become in the state of the state

Peaker Seconday in new affected Second of the French Sector Com-

a this printy for the Sottes Lineau-quissed leasure company August an one on the Toricol in the United Riston Automotive PURSUPERS in carport one mean of the surger was made struction and corrections of any recording to Roman M. Carino, parts in steady defined. These products, defrendents attached companyment of control of the United Riston and Carino and an articular control of the Carino and Carino and All and consequences of control leave large aggregates as all and consequences of the Berting thoman of a security forestern. A home of those per cost of company, receives of cost as green revenue (cost apera, \$15,000,000 Fiduce, once and

should be established for all statuted in a booklet which to fature operating broom, and the consisting to those intracegue. Commonwealth attents commonhe wast by the sity of Braton for each abeyone of show delivery Adequate sening of Indian loss of Names. II, and your elegates surrounding the err-size well farm so from the fac-



interest wire served as master of logs pilots, indeding these STOCKS AND SETTED: Hander Bracks farth and Standard Increasings. For the extension, on the profession of the pro-

TAGGING THE BASES

CAA Cuts CAR betweened provinced flor all tracking places has recalled from Same of Lander Field our old friend Statemen Accords and Mis great in the Veriebbs Departy Wigo Toront said us a Latin His green in the variation Delicate which there had no a paint about a remarkable new using rection that had about suc-tional has died then must others. There are revisional way second defect and conta to the manufacturers and operative as well. Let's watch the N.A.C.A. clearly on it. For yours on have been polying about signs serviced alrysories and obliveling to the power some tower take to hide ownsy their factor fields no on one one find them. We had not about

rand. Terrifo on bold, places five western selection and and from every factory to every an integer purposated as what was proceed authors seen will be you- empropered as the largest agree edlights ar most yet a on the Pacific Court, held Mary then DEC Bearard alread Sills at Lot Apreles Materials ings, as well as the coulth name. Columns, University



ATTATION Jon IIII



A new aughouring building in propherly enterlied and its good going up at Farks to secondo mindard in a colory, unrecess, date on increasing number of or juster colory to the Today database. Two recess, and Radre or Canada. The Today OURTLE Best and such containing National Denseller stress, height platform and only of Concepts, and A. T. he fitted as a lecture and monta-fon room, while a fourth will. Do Assertant School of Alberta engineering Inhuratory Indivensals, of Glendels, Cold

Studies School scholarship also lies and verigation AC in-sers of Fill-66 in overels made introduce in under the personal namedly by the Medical Cuty assertions of Gross C Delland. their shelps of one of the full Gollege examination are con-lewing process for which the shortage the laws at the staowing cruries for which the planting in average for the Ten use letter searcher in two



a presentary building brying \$5,000 as it. of floor space.

C.A.A. Flight Training Law As Of May 15 March of Persons

dwing this period, it is our to importing any James Torobust residiates were eligible. All done learning to sy uncer the Yes and here employ in two. Transport Backwards, Addition C.A.A. experimental training works by taking the course of Ower a thousand horizontal and Engineering, program. What with committee board by the Promited (Mich.) been destricted by the Tonner Melescology, Artise Medical time the lore term is being long from all Nations Chains for lore and an American and Ophilitian, or the Artise to carry Alboyrt some charge A four-weak course is the eff couldy. For the Principles of the Artise to carry Labourt some charge A four-weak course is the eff couldy. These first books are Melescon Lore to the Court before the Artise (Artise to the Principles of the P form) beginning only it. Two-being suggested by one amount than learnd and beligning such for without charge, in suday that the 2 winter commen in \$1-0. for the channel of Temperter may

the fear weeks course, \$250. | Seven the very labort and has The intractors are sended by the Marie of the helt-states about the Basson High School Arts. With all the helt-states about tion Access New York City building up a dribut als re-The vanuables are fee as radel-marie grand has a grandle a longer from military purposes in side grand has a grandle a longer folk young an the C.A.A. pilet Transporery schery is \$12 per way is Southern Caldione in their best those who quelty thering with considerable sea-Bernarders to been the regular core. Scores on the Cofficient Scores examinations are distilled Arry Squadres, and the Cofficient Scores examinations are distilled Arry Squadres, and semanated

in the industry, and eviden from cipined, some-military serged itselfon of He kled, the Colder HQUISWATHINGS - Facustry deducted was the rever and Gloslay, Colf. Examine personal in their parts of the largue quarters for the Pierce ton School of Assessed at most induction D. F. With, consist with the of Claramite to the Ware Statement State. The Statement Sta

ATTATION, June 200



ATIATION, 300, 707

Wines on the Wind

stranger in 1908. After their years the instrument is 2 in. The Verter tabe is electroally beard to proven

Except in Finland where long wastern

produce strat take-oil conditions from mobile toward has lest almost all of stahas some the modern worsh which is or with the claim transmission on the work for leastless. Week dress 1,000 2 long. A safety section in railer to a believe, or done other harr work. Therd, or high grar, to to get it out of the way of a place be in 1586 Adventages are obvious.

A contract towards and comments are field. He then has to make mosther ing the case ruses the stepans, that in providing a small which mode the

winding the cable on loans! As this Time between teleprofit is to-

Don to the interest in realest altirade and distance flights, sand proman ranged curter at Darrough has nest susplane as used with complete pelly the shar to an abstract of 10,000 A red the renders paint then has an opportunity as Mark oblider. Where

A court was all memberships a new high, quasa is track to their it they be-

Terr year 1909 will see a count adsubject which crossed the Alps Income to a transmitter. The distance record ratios second for strafe-seater. Used monthly accodynamic and streetwid

Dector taxwas in Scrope may be eraster conduct and safety for wike





America's Answer

(Content from page 29)

the monthly defination within the reparity of 1,000 axes. This can thus readily be exceeded to cover the stream proper in such with the employed in the two pass; of the examtion program. By this method we eat that maker full capacity confilms, mare than the respect 0.3000 sepment than the respect 0.3000 sepand a large III sufficient elements of the probability of the substantion for the content of the extension as not remove from extens aspansion in not remove from extens aspansion in not removed to the glass energy and if the sundarpost the large processing of the sump processing of the sump processing of the sump processing of the sump processing the sum processing the sum of the sum processing the sum of the sum processing the sum of t

Production Copusity—Ale

No. Process Conference of the Conference of the

U. S. Alspines Industry - Nothern, Expert and Temporal

A Transfer Service of Contract Service of Contract

Ottom Replanate to 1 Tree End Spales State of Tree Properties Transport of Committee of Committe

The state of the s

Contact Contac

Total Delivation in 2 Year .
Salaray Engineerable in 2 Year 2nd as Femal of Squalty

ATIATION

post melitar, da securar vigit of place (previous) destroated) in erit figies by the quantities of great of the unit post in great a tend cut. Dis present in regular like ception to the previous for regions to the company of the company of the company period benefits that of the great control for grounded, once for two part principles of the captures. The first breath is the quantities of the control for the captures in the control of th

and the district from proposition and continuous the continuous the continuous the continuous the continuous through the continuous and particular through the continuous through the c

pregram will manufally laive to be condescribly higher has soluted be motion. And the control of the control

shows the deflar value of simplica and (Two is Jupe 40)



In analyzing the rates-dellar, a new

many, it is blady that there und

do not savolve such other

ability of exception takes sufficiently rapidly to complete the program by

ness as the part of Compress. Alproblem from the standpoint of aggrey- large trainpert planes. Some word on word, production specifications withmade in fender shops produced and

presently probable to excellent of tworty-five per mostly, my mention



ADVICE TO THE LOVELORN SEPT

he Birdmen's Per

2. The clots of page mostling tracketory 2. To write Wheapen wheat that Arteries floor The case can the first form; in two right every (to one, if your h. [.] and a past are hearly) by authoring that tall tale soley. Formulaber—the monthly chosen lier gots a week Marce to Watson, our Treat Was I

we we got the first of assimpts handly an areal on present to Print Winty Tops to be checked.







That we dow, he seed You to take a new 1 stilled the cole

But the one is different, I god . the



Table 15 Indicated Appropriations for the Procurement of Complete

South Assessables 20 NAME TOWNS China Figure 16

If you is got the region disease of indicated with

C'Which is shoot what would be anticipated for the larger for Figure.

between receiving a postered and The foregoing audies to what may the receptable at debte to member

tender country to complete the conmanney in each noder. All of this means that more than any other fac-

an emission new type, it will be treaste-

tor, getting under way and getting

ton. Amounts for dollar value for in home at dollar value, it is not that if 70% professor is taken at thereafter. While we must readure es the rate of 7.500 planes per year with only a very small additional

Tehle 13-The Airplane and Engine 'Sales Dollor'

E ser - NES el bales - NESSE mente di displacation per la celle del la celle del la celle del la celle del displacation del la celle de

Table 14-Avenue Mena Cont. Airphant Suches & President CONTRACTOR OF STREET Arways & Space - of Ferred Annual Pain Print of all with Town result

ment be need agreet their weighbors or when an unround concery, like a It to for botter to meet expension and the bodds in most expenses

et some time at the fature. Let us not forget the parallel of 1929. A

time. This policy, incommodity is now for continuing reliting reserving



rpass cagle has long been noted for its keepness of vision. Its in this respect, for, like all other Spartun exceptive models, this place is explored with crystal-clear Plexicles* windows and a corred Pleateles" windshield.

RÖHM & HAAS COMPANY, INC. 222 West Washington Square.



PHILADELPHIA, PA. A MALES CAPAGE

the providence of the

and for expecting the indexes.

concerned confident would call for for greater expensity. To meet that We have netalogy not empled father is a present englacer on onmand for the Person requires on the "shadow" radinary as worked and an making complex the formerings of an

randing for assembly plants is sound. Table 15-Course of Increase in Price of Atroisse

1 - Nathard Tong A STATE OF BRIDE PARTY.

Table 16-Comparison with Other Years and Other Countries MI 200-000 JO L 1000 Gas Daly I, 1001 Tel Sec 300 Miles

Ot Army Man present serious at scorers a \$1.7% (Sport &

a personnel ten times an great! Andre

There is the soughkey of reducing compand s. Here again, bayeres,

our research for Witte, then extellish shows, will do much to constant



"REQUIRED NO HEAT WHATSOEVER WITH NO LOSS OF POWER AT ALL"

(Q) e quale from a letter from Mr. W. A. Hamilton, System Meintenence Superintendent of Transcontinuetal & Western Air, les

"Filet Den B. Twoy paperts-when clarities up through a elecheusend foot overcom on November (56; ed fibrie ste. where we were released ever the too to Newerk I readd not be one other way then enthusieste about the reargigs of the conjugators. The completes were such that I feel care there would have been conditioned a loss of recover of heat to maintain the surrenew R. P. M., whomen these securized no head whatesomer with no loss of power of off-The rate of sitesh was excellent and other exceptancing legator for later conditions and would not leaf at all had-

Technical data or Aircreft Manual will be supplied on

HOLLEY CAPRUPETOR COMPANY Aircreft Division





Stacks and Rings

led all from the main collector rise from an front of the exprise hoffly and The scoop will feed an under pressure min the should. An alapsement tobe of 15 to 2 analysis in Corneter realess a satisfactory strop for this surmon. This score should as it makes through the lot most or secon no bot air will be excelled consecutive of the number configure cold air make system through a to m a mortly of a free organ analytism. The collector is a shroot above the outside air temperature. This is not reflicient for high a-west

Leanafter Tribs Edward Orderter

will be mored that an exhaust take is

14. This works on the same principle to carry the air through the exhaust of its strength confident at elected best transfer, enteredler tabes are A terbe aspershoper to driven be It should be goted in Fig. 3 that the intensifier space that not extend ports so it must open behind the related soften. This location is sired) and terralium is a south directed at the turbing wheel. Siece ing it. Behind the halles dry, wants ar is naded up at all times. Some run is also evaluate in this location.

one your that has been used in the year for this purpose is shown in Fig. 16.

To check the efficiency of each new whole to make check remurements the askurd collector man also be venilities and cooling to percent he busied on a straight motion of the exhaust eithers. It this fitting is

to the extent part center. With the ochean allow. A totale fitting plugged after completion of the mean monages note. Only a small No. 50 the ellow wall under the figure state him. The security host from Thrills ... for you and your family at the New York World's Fair!







medicz, wandarzelag, belödieg mungarner; er ndepare..., von will find that Action every moreon? Mixing, communica, deviging and other arthrical operaenvironme incredibly many in death. Type the raw wire many and called any

ROEBLING **** - **** **** **** ****







Stacks and Rings

read redendantly it is recessive to

test in the notice or calls are in regularized by the Man Subry Apconvences greatest a quantity of the season of earlier message preem in the mouth. They but m many. This et the subesting ractor drollen of one percent. One mayment is annibible that in calibrated to serve from 965% or \$1% for differ-

on he readly menured with the the vacuum pump line to obtain a

the substitute The neill-polymeter of rigines in flows between 1900 and a country cover. The complex

of probests the standard coefficient cord would have When stemment

power by adding a mound bank of Cylenders than keeping the distriction to 100% will require up to a 30% inofferer plant Leating thes haper be very difficult and there is beend natheds are recommended to orstead

2 Peel Sentree. At 20,000 feet ture with a loan extract column

tir is our solution. Another method need it is advisable to run the had here as deport as somble to the werenest management in minimum

These two effects will appreciably as-

of the column group. This is partieshift true when the exhaust mades is (This is the fast of stree wracks



Other Can Common the chara of herbert leaders the world-near is also the risalty of Plant! Delinery

Is today THE WORLD'S MOST MODERN TRANSPOR ALLMETAL pentruction prender Unescaled in streenined exterior, lower and confort of cabin interior. neuralise throughout the World of SPASIAN Excess thre's one process on irrestance to finit reven pro-



ARROW'S AIR TRANSPORTATION TOOLS



PESCO products.

PESCO takes paide in its contribution to the safety of air travel—not only on American Athines planes—but on those of all lines participation in the 18% Maritanal Scripts.







THE dependability of Douglas ninphanes mode headline.

I neve in 1226 whee he U. S. Army was first to fly cascand the world. Today, not in headlines but hidden in the time tables of 38 notice offices in the demonstrate results of the second transport in requisit schedules service fly a difference equal to 18 most around the world verying fly. That this 'that' is the second transport is not the second transport in the second transport

DOUGLAS

GO "DOUGLAS" ON THESE WORLDWIDE AIRLINE:

NOTE AMERICA Area from this tent on ... Service thereony. Consoline Carbook Service, in ... Journal

A Itala, "Note and Alles As ... Service Assessment ... Service ... 17 M m., a literate Assessment ... Service S



LEWIS HOLY NAME SCHOOL OF AERONAUTICS.. offers a complete executived education in all phases of

AVIATION - ENGINEERING - FLYING - OPERATION MAINTENANCE - BUSINESS ADMINISTRATION

The orbid his how is executed now, many and was formally come and it has with to well hand to study for a before before in the limits consulted field. Only









DESCRIPTION OF TRANSPORT



Formula intended about it has a parabout the articles display and filled in Worther profess the for an articles in the fill being print it displays and filled in the consideration of the control of the control and the control of th STATISTICALLY FOR EXPENSES.















Write for ledest Shop Equipment Sufferin

STANDARD PRESSED STREE CO. PROPERTOWN, PROPERTY.

0. K. FOR PRECISION

WORK

Photo in the late of the late of PARKS AIR COLLEGE FAST ST. LOUIS, BLUNDO.

---- +45 Pp 10-

Write or once for

Facts show PARKS AIR COLLEGE

Santa Special



.. with BREEZE Exhaust Gas Analyzers



Secret analyses are independable in long-

Bade Spaller Depar and Assistan Statelley - Spark Play Bade Madding - Hallagh Crisis United Committee Reside Statelley Control and Entropy - Control Associations - Generale Department - Bellewish Control Controls Controls haved To Role * Popular Fink Cented: * South * Statement and Rollin Tol. Control: * Provide Shift and Cong Assembles.

Asselfer in Touble beforest Lion * Technology Said Pass and Especta Control Drive. Do. Swiden Steel Corbon. Pennys in the design and development of stanton and structure and februaried profess.

BREEZE CORPORATIONS, INC. AT SOUTH SIXTH STIRRY. HEWALK N. J.

Another important LIQUIDOMETER and to Aviation Progress









THE

LIBBIDOMETER

17th Sharel at Bellean Access

NEW McGRAW-HILL BOOKS

GETTING A JOR IN AVIATION By Dr. Carl Morross, N. Y.



AIR NAVIGATION By F. V. H. Wagen, Lt. Communder, U. S Navy Ac-

AIRDLANE MAINTENANCE

By John Younger, Telearmy of California, A. E. Box.

SYNOPTIC AND AFRO-NAUTICAL METEOROLOGY

McCorn 201 Stea Cr. Sec. 101 W. State W. W. S. S.

THE REAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS.

HERE'S THE NEW, SPIRITED



PERFORMANCE AND BEAUTY CHAMPION

Get all the facts before you buy and you'll fly a "Chief" Levis Larrow other was brilled and fermance in the new "Chief 65" ... it's empflor character -- color resear and emedition that placed the "Chief NI" out in tent. Menth other month of leave soles. Acreson - more and more people have recession! the outstanding craftsman

skip, beenty, comfert and experier State characteristics of the "Oties." All we said is that you compare. See year Accepts the recover you find out about the his velue "Chief" the enicker you, tan, will want to save one. With today for his

THE BEST AT LOWEST COST The new "Chief 66" anly 21246 F A de addition of the state of the

DUAL STICK OR WHEEL CONTROL NOW

FOR THOSE WHO WANT

REPORTUTIONS CORP. OF AMERICA - NO LURBER AIRPORT CINCINNATE



centrally by design explaners.

GENERAL APPLICATIONS INCLUDE unachinest of humanital statilizer filters, whay filter, search; filter, exhaust ted page farring and shaldings, interior sphalling; panels, does not avoided winners, hand hole comm, conduct boses and many other speculions.

WRITE FORD RETAIL INFORMATION. Year waters.

regarding specific applications and services is invited.

The Bill Manufacturing Company • Gleveland, 0.

LOK-SKRU FASTENERS



Today - Sharper' Agreem Continue for our parties of the continue of the contin

Ariation Gasoline

AVIATION







grane accretant from SAFETY (a) Withers for hered . . . (b) Wethout herm to extracellalose language.

DEGREASER

solvers The last

neste. Official sported as safe change

s Pleasant Street Michigan Inter-May be obtained from or Gork as creed it such as hading whether man-



. What Shids to You West to Beach . Decisio Reference excites to a Construction Special Street Rent Worker Interests

restrates, comparing the second of MAGRAWABLE PRINCIPAL



GRANDET ADDIVATE UND

T W A CLASTICS DOVISION





The "silent citation These signal basses, recently as men who did the job. Amply implied nounced by the National Safety is the "islant cicrator" of our own

Creary), in middly recognition of headwork, which provides the sizel tion, are worly conferred upon sent, place ... a treasured burste. nes machines. Solidly with the whole

BENDIX-SCINTILLA MAGNETO

If there is anothing you wantor something you dealt want that other readers of this paper one supply—or was—adverted it is Aviation's Market Place

Sudu-10 otrologa winn cleth is lighter steneous and many closely woman than other cirtail fabrics. Inquiries from eleviers and WHILINGTON SPARS COMPANY \$2500

Bernell Casters, Wheels Sweet In Production in the AVIATION Industry. (very type of order and wheel

DEPENDABILITY



ADME all that over us relation to your fature -Authors see growing but . In see, sum-

Public and pervite adjusts are healeres of

-the backloor of orders already when we len't this real bond for thought? In some beauth of

and first certained Agen LTT mining complete indometrics,

CLASSIFIED ADVERTISING **Aviation's**

HISTO PLANES ENGINES AND BASIS BOD SALE TRADE OF WANTED SPECIAL SERVICES OF DESIRBUTORS, FOXED BASE OPERATORS. ETC.

DUBLOWARDY. SELLING BUSINESS OFFICE DIRECTOR OF WANTED BATES- UNDESPLAYED. 10 months a world minimum \$1.00. DEPLAYED, \$6.00 mor look. Contrast rates on removal

TO AVIATION READERS: THIS IS YOUR "MARKET PLACE For your remainings if the appear is an assemble read by: here and the surface relating feature of the property of the propert USED PLANES DOR SALE INDEX marrow "Comflet" - Jose, 1999 For additional places opinion for policy and parindepend at chain out 1992 man of plan NED-Conney" and at assessment our die male of plane (Fred to othe feet Service Harchett Control of the state of the sta to be smaller and married for the couldn't con-SANGER HARDWETTS I river Amphibit STATE OF THE PARTY Antico facile dide printing comes tion to the Contract of the last of St. Contact No. of the Party and Concess of the P. Link Str. Activ Charles All Desirences Section Section

AVIATION'S MARKET PLACE

Used Planes-General Smith nows Personal and it my set but a Engines & Ports Dor also ask marked (97) in group for a top of an art motor

person Communicate Man LATER SALE PROPERTY AND ADDRESS OF THE PARTY Michiga September 1927

Equipment & Products Employment EL TERRETARINE

SCHMAN SYDATIST CONTANT FOR Services & Instruction Tex. Proposition here in all season help the decay's their figure school offers and the natural fines of the Character of the Character of the Character of the Country of the C

on Paradian Pd with the or of

the same bases were Sanger over I Consequenteers Material Send Ampella for milk Americk, for Analysis for and time Planer School of Assessment assessment School of Agen. The same and the same

the Many States

ANATOR CREEKT CORPORATION PORMITION NO INC. PURE THE RESERVE Write or wire for applicables form OF CHARLE STACK FOR SENT

MANUFACTURES ARRAY CHING IN COLUMN TO SERVICE AND ADDRESS AND SERVICE AND ADDRESS OF THE PROPERTY OF THE PROPE station of the last of the resorrer and composees, per





regals the information

AVIATION'S MARKET PLACE



Generalised Workmankle

PIONEER & SPERRY SALES & SERVICE
Ficest Selection of new Instruments
Gunracted Reconditioned Instruments
Supplies—Competitively priced

Eeglee Service Magnetux Service Get zur Magnetux Bulletin MEI

SNYDER AIRCRAFT
Hautopulation of Chicago, Illinois

VIATION ABELIANS
APPLICATIONS
PESTERS

FRANK AMBROSE, INC.
Besters and Experies.
America, solice; rests & Sarries
Miles and Experies.
America, solice; rests & Sarries
Miles and Miles and Miles and Miles
Miles and Miles
Miles and Miles and Miles
Miles and Miles
Miles and Miles
Miles and Miles and Miles
Miles and Miles and Miles
Miles and Miles
Miles and Miles and Miles
Miles and Miles and Miles
Miles an

Weech Aircraft, Inc.
STINSON
DISTRIBUTIONS
Hager F, Bearrich Fald

AND OTHER DOPPMENT

VULTER VIA TRANSPORT

Tee Pleas Please with Worth Cy-

Annual to All

Fire Extinguisher Fad der ville erreiter besidet

S1.10 Propried any

SHIDER AUGUSAFT CORP.

PHENIX

qualifications, selected assertational periodical

M-CORN. BUT DON'T COMPANY Inc.

300 W. 424 St., New York City





6 PILOTS offer prophetics als mortis trading from a facil growing Artistics property.

-----Parre, Elede BANIEL GEGGENERAL

NEW YORK ENTERSITY RISING SUN

EAY AND EVERSO CO.-----INSTRUMENT FLYING INSTRUCTIONS

Sundorph Association Corp. ---4 Thorough Training * Lote Type Squipment * At Bernesbie Beter CARAGE

FOR THE MODERN TRAINING ... speakelising in the field CONSTRUCTION, MAINTENANCE

& REPAIR of NOORER AMERICANT The Laterana school of agenty in the first in the state of the MAKE ATTATION PAY YOU PROPITS to work THE BURGES OF

SCHOOL OF AERONAUTICS

MANAGERSON, PO.

Contraction to the Park

Train Successfully

are five obal free amendaly

ME THE HEW STHEOM "100"

Autoriet Since Stockers

WRITE PLYING SENTICE, INC.

the additional fiction Adv on pages 45, 61, 54, 141, 162, 360, 166, 758 and 410

NEW JOSE CHIMOL

APPLANT DESIGNANT Region with receipt of \$40 to compatible Margaret Chains Steamer !

for A JOB IN AVIATION WHITE FLYING SERVICE Good pile are writing in minima White Bying Santan presiden for al-most in Spang Lesbucker to fire al-places unless approxime of temporal

plots. The E. M. Industrial Scholes Co. etc., Name Gast Madd ofthe company broken

AVIATION SCHOOLS

WORLD TO COME TO CLUTTED WHIGHT TROST OF THE COLLEGE OF A POSITION SOMESMENT STORY COLLEGE OF THE COLLEGE OF TH why should well of it springly streeters and as well to undiged. The return of Course World Treet, oreductor, over man employment and here steady to be 10 ton 4. Opportunity is positively longed sheat sixt the length plan has seen any spen in these with appear against a proper sensing 100 LEGG COPUMENTY II. There may save by the steady seek. STEAL OF IN TO NOS. "Out I yet off unit tomorous who yet can do today." Pades your lotten with Gorden Wyight Both's Efford's naming on small new holes you "nine the heat."

We see not believed out frighted in addit goods to be the second a possible stronger to be assessed by a facility of the first from the second second to the second second to the second second to the second second

OFFICIAL SPICIALIZED AND PROVEN TRAINING IN



MENDERFORM ENGINEERING | POST CHAPTER DECORATE | MINISTERN DESCRIPTION MASTER AVIATION MECHANICS | MINEMAN SHEET MENN. | IN MAR PRINT SERVICES

Acre - Fee 1 glas to their





IF a girl can " so prices?" in Avertion in law than a year and a helf and

the is only one of the bandonic of Searten productes building part. reading positions in Autotion testas while of the assessmenting appell. on YOU. Use the hundreds of other SPARTAN emphasis; in corners.

THE DAYN PATHOL Was the FIRST Step!

SPARTAN SCHOOL OF AFRONAUTICS

AVIATION See 1888

SPARTAR SCHOOL OF ACROMAUTICS, P. D. Rex 2649, TULSA, BELANDINA

AVIATION SCHOOLS

AVIATION DEMANDS OF THEIR Aeronautical Engineers



CHECK these previousless to a position Program represent to applied ma-change and combusing



Cristman Types represent a training extends beyond the development of ground expensions of their state ones to know how positively super-ence the most attentional leads of productions. It is decorde around to whom her crisised that gradient sent thorough registering marinels for your error with the architics in lock bosons counter business and an excur tim-

. IFARN AROUT THIS COMPLETE BANGE . . OF PRACTICAL CARRIER COURSES Printed and the pow combined and complete exhausters

will did the time time apportune to start your Leading for sever i at the below of property but the products here to make planted





lettle over those months as reported by one simplese runelasturer Employment is now 5,544 and is co Flank - Another purchase manufacturer reports per rell at 5,560 employees. This figure compares with

Figure a Stell receiver company assessment the building And so it goes! Every day there is more and better shared, that should make you decide to start some of presently, you can jose the summer classes

Roosevelt Aviation School



79.

Model 50 -A New Leader in the Light Plane Field Espe-



Oaks \$505. drawn

PORTERFIELD AIRCRAFT CORPORATION 1774 Wahash Assaura, Kessen Citto Missouri THE PIERCE CHRONOGRAPH



Is Our Middle Name The Eleatronic show, partiring the vancoudriven marriage prison, as on m a

A Let of Plying Instruments in Itself

An OVERWHELMING SUCCESS! The NEW LEARADIO APR-1 Portable

Gets the weather reports - DIRECT Use it is your place-on your home-office-hotel respirator on the med. Works anywhereentirely roll contriend CHECK THUSE PRATUETS

Day State-States-Could from 200 to 400 KC, Board and 300 to 1000 KC. Words 670 for complete with box 176 feet 176 feet. Company 17%" a 17" a 467 1 South & Committee

Special Learning handphones for minerall use \$4.00 ps. If heady with and \$5.50 DEALER INQUIRERS INVITED



Complete with Safferies



PREFERENCE ROOSEVELT FIELD, MINIOLA LONG ISLAND, N.Y.

INDEX TO ADVERTISEDS

Separat Saw Lot See Lot, Ton Car Si Super Str. Vis.

> and remarking the latter to sell the latter to the latter String for School of Agreement Advances parties of Agency Language of School of Agency Language and Agency Language School of Agency Languages La

standard Cop. The better A begins C. The Other Dis

Titter Millell Bed Co. Service best of the

AVIATION'S MARKET PLACE CONTRACT ADVISOR OF

To annu

AT LAST SOMEONE IS DOING SOMETHING ABOUT THE

AN DIEGO . NEW YORK NORTH ON BUILD & AN A ATMENT

The I. C. S. student stands out in the AVIATION WORLD!

There's usby the 1.05, student steeds out in this selected to his mort, he propieties his probition, his and an asymptomic that more than all American and anterior and anterior (including 26 the LCS ... that I C S muchada are communical today hald leading positions in every backers and These facts are significant to the employee, who

-and to the employee, who knows that coverge and a making one facility he wants in his preserved NOTE TO EXPLICATE. We're an your floor behaviour WITH PROPERTY AND CONTRACTOR SERVICES

Artistic Sections in Sections Staffing

STATE THE DESIGNATION OF THE PARTY AND THE P

ATIATION



bservation Scout

Here's the OS2U-1.—an important new airplane soon to join the Flying Floet. Steck, wift and sturely, this observation scott embodies the experience gained in 21 years of manufacturing high performance aircraft for the U. S. Navy.

VOUGHT-SIKORSKY AIRCRAFT

STRATFORD, CONNECTICUT ONE OF THE THREE DIVISIONS OF UNITED AIRCRAFT CORPORATION





NEW 1500-WATT

Eclipse D. C. GENERATORS

CONSISTENT Eclipse policy of anticipating the aviation industry's requirements has made available these new larger capacity generators for 12 and 24 volt D. C. operation.

These new generators produce 100 amperes at 15 volts and 50 amperes at 30 volts respectively with the

usual Eclipse high standards of quality, exacting performance and positive reliability. In size and weight are almost identical with the present popular 750 watt units. Full details on application.

ECLIPSE AVIATION

DIVISION OF
BENDIX AVIATION CORPORATION
BENDIX, NEW JERSEY

